

[REDACTED]

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17 January 1969

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MEMORANDUM FOR: Chief, Contracts Management Division, OSA

SUBJECT : Selection of [REDACTED] as Sole Source  
for Think Group Effort on Advanced Aerodynamic  
Reconnaissance System Program

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1. Brochures were obtained for a number of the more prominent not-for-profit "think group" organizations. Specifically, the brochures for the following companies were reviewed:



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Upon completion of the review within D/R&D, the conclusion was reached that [REDACTED]

[REDACTED] because of their orientation towards defensive environment and associated radar systems, are potentially most qualified to perform the highly specialized task required. This task is described in the attached statement of work.

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2. Since D/R&D/OSA has had relatively limited experience in the field of defensive environment and associated radar systems and since D/R&D/OSA has had no previous contracts with any of the above Think Groups in this field, it was decided

NRO review(s) completed.

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25X1

[redacted]  
Page 2

25X1

to depend heavily upon the recommendation of others for the selection of a contractor. In addition, since the task involved requires such close coordination with OSI, it was decided that they participate in the selection.

3. Subsequent investigation by the DD/SA revealed that the [redacted] had recently conducted a satellite vulnerability study for General Martin, USAF. Further, it was learned that [redacted] had, at various times, worked well with other DD/S&T components. [redacted] DSD/OSI, cited [redacted] as one of his preferred choices to the DD/SA because a minimum amount of educating (OSI time is at a premium) would be required due to their previous association. The above is felt to be indicative that [redacted] has a demonstrated capability in the specialized field required.

25X1

4. Because of their establishment with other DD/S&T components, certain key members of [redacted] already have the necessary security clearances. A secure cable link also exists already for the transmission of classified messages.

25X1

5. Preliminary discussions with [redacted] revealed that their primary effort is Systems Engineering and Technical Direction concerned with Command and Control, Air Defense and Early Warning Systems. Their specialty is the netting of a multitude of sites and the effect on Command and Control. These also are key areas of the required task. This is considered of particular significance in relation to their capability for the task.

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6. The above factors indicate that [redacted] has a demonstrated capability and is already in a good posture with the Agency from the security standpoint. Because of this, and the necessity for getting the study underway as soon as possible, we recommend that sole source negotiations be initiated with [redacted]. Pending these negotiations and the satisfaction of the Contracting Officer, it is intended that a contract be established with [redacted]

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25X1

[redacted]  
Deputy for  
Research and Development  
Special Activities

Attachment:  
As stated

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[redacted]

25X1

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Page 3

25X1

CONCUR:

25X1

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25X1

D/R&D/OSA [Redacted] /17 Jan 1969

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25X1

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STATEMENT OF WORK

1. Recognizing that the performance characteristics of a new aircraft reconnaissance system depend largely on the defenses against which it must have the capability to survive, the contractor will develop the sensitivity of survival to variations in defensive system performance parameters. The customer will supply the best all source intelligence available on the defensive systems. In addition the customer will supply, wherever possible, best estimate or nominal values for these defensive systems. It will be the responsibility of the contractor to supply ranges of values (from the intelligence) for the defensive system parameters not readily available therein. The customer will provide consultation on the range of these parameters.

2. Variations about the nominal will include but not be limited to the following components:

- A. Missile
- B. Missile Guidance Radar
- C. Early Warning Radar
- D. Command and Control System (to include netting, etc).
- E. Penetration Aircraft Systems

3. Typical parameter variations and the affected components are:

<u>PARAMETER</u>	<u>COMPONENT</u> (Para 2 above)
Aircraft Characteristics (flight path, maneuvering, etc.)	E
Line of Sight	B, C
Reaction Time	A, B, C, D
Miss Distance	A, B
Warhead Lethal Radius - HE and nuclear	A
Aircraft Vulnerability - HE and nuclear	E
Maneuver Load Factor	A
Guidance Type and Accuracy	A, B

SECRET

SECRET

Page 2

25X1

Launcher - Limits and Time Responses	A
Radar Cross Section	B, C, E
Deployment	A, B, C, D
ECM and Penetration Aids	A, B, C, D, E
Aerodynamic and/or Jet Head	A

4. Analyse and identify the survivability/vulnerability constraints necessary to develop the profiles and tactics which will allow some operational freedom. These constraints will reflect an assessment made of the technical credibility of the various parameter variations postulated.

5. Develop viable profiles and tactics.

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